

ABSTRACT OF THE DISCLOSURE

A method of forming a thin film of the present invention comprises: an optical characteristic adjusting step of repeatedly conveying a substrate holder 13 between
5 a zone to perform an intermediate thin film forming step and a zone to perform a film composition converting step while controlling a conveying speed of the substrate holder 13 for holding a substrate, and adjusting a film
composition of a finally formed thin film to form the thin
10 film having an optical characteristic value of a region where a hysteresis phenomenon occurs.